

(concurrently amended)

51. A non-computing navigation system for guiding a driver operated vehicle to a selected destination communicating only an uncluttered two location representation of the changeable location of the vehicle referenced to the fixed location of the destination, and wherein the system does not provide any specific routing path between the two locations but instead enables the driver to select any routing path guided only by the two location representation,

~~x~~ detecting means for continually detecting exteriorly of the vehicle the changeable location of the vehicle,

display means energized by said ~~digital~~ detecting means and responsive to a driver chosen destination to continually display only a pair of uncluttered markings corresponding to the changeable vehicle location and that of the fixed destination location, said display being free of any routing path interconnecting the two locations,

said markings ~~being~~ being displayed within the vehicle in such manner that ~~they~~ they can be continually observed by the driver without diverting attention from safe driving of the vehicle.

52. In the system of claim 51, said driver operated vehicle having an observation window for observing roadway conditions, and said two location display being applied to said window to enable continuing viewing of said markings while observing the roadway conditions.

54. In the system of claim 51, said detecting means comprising a digital reader for detecting digitally coded markings located at geographically spaced locations exteriorly of the vehicle.

(CONCURRENLY AMENDED)

53. In the system of claim 51, said system providing a second
~~phase of~~ phase of operation when the vehicle nears the destination,

in said second phase of operation, digital sensor means for detecting
digital codes on landmarks near the destination, which landmarks may
include individual buildings to identify said landmarks, said digital sensor
means energizing said display means to superimpose an identification of
said landmarks on said markings when the vehicle nears said destination,

whereby the vehicle is continually guided solely by the two markings
on the display supplemented by the landmark identification when the
vehicle nears the destination.

(currently amended)

55. A non-computing navigation system for a driver

operated vehicle for continually guiding the vehicle to a selected destination without following any predetermined, calculated routing path,

said system providing an uncluttered map-free display of only two ~~discrete~~ discrete markings, the first marking corresponding to the changeable geographic location of the vehicle regardless of the route followed by the vehicle, and the second marking corresponding to a fixed geographic location of a selected destination,

said navigation system being free of ~~a~~ computation of any predetermined route path for the vehicle to follow to said destination, and the two ~~discrete~~ discrete markings providing the sole guidance by the navigation system until the vehicle nears said destination,

said display of the two markings being provided within the ~~vehicle~~ vehicle in such manner that they can be observed without diverting attention away from safe operation of the vehicle.

(CURRENTLY AMENDED)

56. In the system of ⁵claim 55,

said vehicle having a conventional viewing window to permit viewing of the streets and roads ahead of the vehicle, and the display of the two ^{DISCRETE}discrete markings being applied to said window, thereby to minimize distraction in operation of the vehicle by the driver.

(CURRENTLY AMENDED)

57. In the system of claim 55,

the display of the two markings on the screen being enlarged in scale as the vehicle ^{PPR 11/53}approaches closer to the destination, thereby to more accurately guide the vehicle.

60. In the system of claim 58,
said detection means including an audible generator for
communicating said markings and said landmark information.

61. In the system of claim 58,
said driver operated vehicle having an observation window for
enabling the driver to view roadway conditions, and display means
for applying said two markings to said window.

(CURRENTLY AMENDED)

58. A two phase navigation system for assistance in guiding a driver operated vehicle to a selected destination along any travel route selected by the driver of the vehicle leading toward said destination, and wherein during a first phase said system continually communicates an uncluttered representation of only two markings corresponding to the changeable location of the vehicle and the fixed location of the destination until the vehicle nears the destination, and in a second phase, said system communicates as a supplement to said markings, local landmark information that may include an identification of an individual building, whereby during both of the two phases, the driver can choose ~~/~~ any route to the destination that is available or convenient, said system comprising:

in said first phase, detection means for continually determining the actual geographic location of the vehicle referenced to the geographic location of the destination and communicating said two geographic locations by only two markings exclusive of any other communication,

58.cont. Currently amended)

two markings exclusive of any other communication,

**and in a second phase, when the vehicle has neared te
the location of the destination, sensor means for detecting
actual landmark information that may include an
individual local building structure, as a supplement to the
communication of the two markings,**

**whereby during both of the two phases , the driver can
choose any available routing path toward the destination
and continually receive advisory guidance from the system
to assist in reaching said destination.**

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(currently amended)

59. In the system of claim 58,

Spec said detection means including a visual display screen within the vehicle, and means for energizing said display to show only a pair of markings corresponding to the geographic location of the vehicle and the geographic location of the destination, thereby to continually advise the driver of the heading direction to reach the destination regardless of the routing path followed by the vehicle.

(currently amended)

62. A two-phase, non-computing, advisory navigation system for guiding a driver operated vehicle to any selected destination, and enabling the driver to select any travel routing to said destination that is available or convenient, said system comprising:

a direction communicating means within the vehicle for continually advising of the heading direction to be followed for any travel routing selected by the ~~operator~~, DRIVER.

62. cost. said direction communicating means comprising detector

means for continually determining the actual geographic location of the vehicle referenced to the geographic location of the destination, and including a communicating means energized by said detector means to generate a map-free display within the vehicle displaying only two ~~descrete~~ discrete markings corresponding to said location of the

vehicle and the location of the destination,

thereby continually advising of the heading direction to be followed to said destination regardless of the travel route selected by the driver of the vehicle.

(currently amended)

63. In a navigation system for a driver operated vehicle means for enabling the driver of the vehicle to select any available routing to reach a selected destination while continuously providing guidance to the driver to assist in reaching said destination,

said means comprising a communicator means for conveying a first uncluttered, ~~descrete~~ discrete communication corresponding to the changeable geographic location of the vehicle at all locations along any routing chosen by the driver, and said communicating means conveying a second uncluttered, ~~descrete~~ discrete communication corresponding to a fixed geographic location of a destination selected by the driver of the vehicle, said first and second communications being map-free and exclusive of other communications by the guidance system until nearing the location of the selected destination,

whereby said first and second ~~descrete~~ discrete location communications continually inform the driver of the vehicle of the

location of the vehicle referenced to that of the destination to guide the vehicle toward said destination regardless of the routing chosen by the driver of the vehicle.

(currently amended)

64. In the system of claim 63,
said communicator means comprising a visual screen, and said first and second uncluttered communications comprising first and second ~~descrete~~ discrete visual markings on the screen exclusive of any other visual presentation on the screen.

(currently amended)

65. In the system of claim 63,
said communicator means comprising an imaging device providing first and second ~~descrete~~ discrete visual markings corresponding to said first and second ~~uncluttered communications~~ uncluttered communications, said imaging device applying said visual markings to the driver

65. cont

~~/~~without diverting attention away from proper driving of the vehicle,

said uncluttered ~~descrete~~ discrete markings exclusive of other visual presentations from the imaging device requiring minimized attention of the driver of the vehicle.

(currently amended)

66. In the system of claim 63,

the addition of sensor means for detecting digital markings on landmarks and structures in the vicinity of the selected destination, which landmarks and structures may include specific buildings and building addresses, said sensor means energizing said communicator means to supplement said uncluttered communications with the identity of said landmarks and structures when the vehicle is in the vicinity of said destination.

67. A non-computerized navigation system for a driver operated vehicle wherein the system communicates to the driver an uncluttered, map-free, representation limited only to the comparative geographic location of the vehicle referenced to the geographic location of a selected destination, and wherein the system does not compute any selected routing path for the vehicle to follow to reach said destination, comprising:

detecting means for receiving actual external information that continually identifies the changeable actual location of the vehicle,

communicating means energized by said detecting means and responsive to the inputting of said selected destination for communicating a map-free, uncluttered representation consisting solely of the geographic location of the vehicle and the geographic location of the destination,

said communicating means providing only two ~~discrete~~ discrete, displaced marking locations until the vehicle nears the location of the destination.

(CURRENTLY AMENDED)

68. A non-computing, two phase navigation system for driver operated vehicles for enabling the continual guiding of the vehicle to a selected destination by heading direction alone during a first phase without reference to any selected routing path, and in a second phase occurring when the vehicle has arrived in the near vicinity of said destination, guiding the vehicle to the destination along any routing selected by the driver, by communicating localized information specific to the landmarks of the areas about the destination comprising:

in the first phase, communicating means for continually conveying a map- free uncluttered representation corresponding only to the relative geographic location of the vehicle referenced to the selected destination, thereby enabling the vehicle to proceed toward the destination along any routing chosen by the driver by heading direction alone without following any predefined routing of streets, roads, or road intersections,

and in a second phase occurring when the vehicle has neared the vicinity of the destination, communicating local landmark information near the destination to enable the vehicle to be guided directly to the destination by the local landmark information along any desired routing .